

ABSTRACT

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An aircraft deicer panel (10) including an inner support layer (20) which is electrically insulating, an outer cover layer (26) which is thermally conducting, a heater layer (22) which is electrically insulating, and an electrical heating element (28) attached to the heater layer (22). The heating element (28) comprises an electrically conductive strand (30) stitched in the layer (22) in a heat-dissipating pattern such as, for example, a winding path of closely spaced and sharply curved turns formed by a continuous length of the electrically conductive strand (30). During manufacture of the aircraft panel (10), an industrial sewing machine can be programmed to stitch the desired pattern of the electrically conductive strand (30).

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